



STIC Search Report

EIC 2800

STIC Database Tracking Number: EIC 2800

TO: Burton Mullins
Location: JEF-9A69
Art Unit : 2834
Friday, November 18, 2005

Case Serial Number: 08/770796

From: Darcy Bates
Location: EIC 2800
JEF- 4B68
Phone: 571-272-2540

darcy.bates@uspto.gov

Search Notes

Re: 08/770,7964 US 5,811,318

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,

Darcy Bates

Bates, Darcy

From: Mullins, Burton
Sent: Wednesday, November 16, 2005 9:01 AM
To: STIC-EIC2800
Subject: Lit Search ASN: 10613064

Hi, I'd like a litigation search for US 5811318. The application is a re-issue.
http://expoweb1:8001/cgi-bin/expo/GenInfo/snquery.pl?APPL_ID=10613064

Thanks,
Burt Mullins
AU2834

Day : Friday
 Date: 11/18/2005
 Time: 09:17:33


PALM INTRANET
Patent Number Information

 Application Number: **08/770796** Assignments

 Filing or 371(c) Date: **12/20/1996**

 Effective Date: **12/20/1996**

 Application Received: **12/20/1996**

 Patent Number: **5811318**

 Issue Date: **09/22/1998**

 Date of Abandonment: **00/00/0000**

 Attorney Docket Number: **1341-1**

 Status: **150 / PATENTED CASE**

 Confirmation Number: **3936**

 Title of Invention: **METHOD FOR MANUFACTURING A LIQUID CRYSTAL DISPLAY**

 Examiner Number: **74721 / SCHILLINGER, LAURA**

 Group Art Unit: **2813**

 Class/Subclass: **438/030.000**

 Lost Case: **NO**

Interference Number:

 Unmatched Petition: **NO**

 L&R Code: Secrecy Code: **1**

 Third Level Review: **NO**

 Secrecy Order: **NO**

 Status Date: **08/17/1998**

 Oral Hearing: **NO**

Bar Code	PALM Location	Location Date	Charge to Loc	Charge to Name	Employee Name	Location
08770796	7530	07/24/1998	No Charge to Location	No Charge to Name	LOE CONV DR1995C	

Appln Info
[Contents](#)
[Petition Info](#)
[Atty/Agent Info](#)
[Continuity Data](#)
[Foreign Data](#)
[Inventors](#)
[Address](#)
Search Another: Application#

or Patent#

PCT /

/

or PG PUBS #

Attorney Docket #

Bar Code #

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Day : Friday
Date: 11/18/2005
Time: 09:21:22

PALM INTRANET

Continuity Information for 08/770796

Parent Data

No Parent Data

Child Data

09667643 is a reissue of 08770796

10613064 is a continuation of 09667643

[Appln Info](#)[Contents](#)[Petition Info](#)[Atty/Agent Info](#)**Continuity
Data**[Foreign Data](#)[Inventors](#)[Address](#)

Search Another: Application#

or Patent#

PCT / /

or PG PUBS #

Attorney Docket #

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Patent Search - Number: 5,811,318

No cases containing this patent number were found.

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Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) 
Terms: [patno=5811318](#) ([Edit Search](#) | [Suggest Terms for My Search](#))

770796 (08) 5811318 September 22, 1998

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5811318

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[Link to Claims Section](#)

September 22, 1998

Method for manufacturing a liquid crystal display

REISSUE: Reissue Application filed Sep. 22, 2000 (O.G. Nov. 7, 2000) Ex. Gp.: 2813; Re. S.N. 09/667,643, (O.G. November 7, 2000)
July 7, 2003 - Reissue Application filed Ex. Gp.: 2813; Re. S.N. 10/613,064 (O.G. November 4, 2003)

INVENTOR: Kweon, Young-chan - Seoul, South Korea (KR)

APPL-NO: 770796 (08)

FILED-DATE: December 20, 1996

GRANTED-DATE: September 22, 1998

PRIORITY: December 28, 1995 - 9562170, South Korea (KR); May 29, 1996 - 9618516, South Korea (KR)

ASSIGNEE-AT-ISSUE: Samsung Electronics Co., Ltd., Suwon, South Korea (KR), 03

ASSIGNEE-AFTER-ISSUE: March 10, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SAMSUNG ELECTRONICS CO., LTD. 416 MAETAN-DONG, PALDAL-GU, SUWON-CITY KYUNGKI-DO KOREA, REPUBLIC OF, Reel and Frame Number: 08410/0751

LEGAL-REP: Jones & Volentine, LP.

PUB-TYPE: September 22, 1998 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 438#30

US-ADDL-CL: 257#59, 257#E21.414, 257#E21.703, 257#E27.111, 257#E29.151, 349#152, 438#158

CL: 438, 257, 349, 438

SEARCH-FLD: 438#30, 438#158, 438#159, 438#160, 438#592, 438#182, 438#200, 257#59, 257#72, 349#46, 349#139, 349#152, 349#149

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Terms and Connectors Natural Language Easy Search

patno=5811318

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Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5811318/pn

** SS 1: Results 1

Search statement 2

Query/Command : prt fu legalall max

I / 1 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5811318 A 19980922 [US5811318]
TI - (A) Method for manufacturing a liquid crystal display
PA - (A) SAMSUNG ELECTRONICS CO LTD (KR)
PA0 - Samsung Electronics Company, Ltd., Suwon [KR]
IN - (A) KWEON YOUNG-CHAN (KR)
AP - US77079696 19961220 [1996US-0770796]
PR - KR9562170 19951228 [1995KR-0062170]
KR9618516 19960529 [1996KR-0018516]
IC - (A) H01L-021/84
EC - G02F-001/1345
G02F-001/1362
H01L-021/336D2C
H01L-021/84
H01L-027/12
H01L-029/49B
ICO - S02F-001/1362
S02F-001/1362P
PCL - ORIGINAL (O) : 438030000; CROSS-REFERENCE (X) : 257E21414
257E21703 257E27111 257E29151 257059000 349152000 438158000
DT - Corresponding document
CT - US5075244; US5177577; US5187604; US5359206; US5555112; US5668379;
JP5-152573; JP6-188419
STG - (A) United States patent
AB - A method for manufacturing a liquid crystal display which reduces
the number of photolithography processes is provided. The method
includes the steps of forming a gate electrode and a gate pad by
depositing a first metal film and a second metal film on a
substrate of a TFT area and a gate-pad connecting area,
respectively, in the described order, by a first photolithography
process, forming an insulating film on the entire surface of the
substrate on which the gate electrode and the gate pad are formed,
forming a semiconductor film pattern on the insulating film of
the TFT area by a second photolithography process, forming a
source electrode/drain electrode and pad electrode composed of a
third metal film using a third photolithography process in the TFT
portion and pad portion, respectively, forming a passivation film
pattern which exposes a portion of the drain electrode, a portion
of the gate pad, and a portion of the pad electrode by a fourth
photolithography process, exposing the first metal film by etching
the second metal film which constitutes the gate pad using the
passivation film pattern as a mask, and forming a pixel electrode

connected to the drain electrode of the TFT area for connecting the gate pad of the gate-pad connecting area to the pad electrode of the pad area using a fifth photolithography process. Therefore, it is possible to reduce the number of photolithography processes, to improve the manufacturing yield, and to suppress growth of a hillock of an Al film.

1 / 1 LGST - @EPO
PN - US5811318 A 19980922 [US5811318]
AP - US77079696 19961220 [1996US-0770796]
ACT - 19970310 US/AS02-A
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 OWNER: SAMSUNG ELECTRONICS CO., LTD. 416 MAETAN-DONG, PAL;
 EFFECTIVE DATE: 19970214

 19970310 US/AS02-A
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 OWNER: KWEON, YOUNG-CHAN; EFFECTIVE DATE: 19970214

 20001107 US/RF-A
 REISSUE APPLICATION FILED
 EFFECTIVE DATE: 20000922

 20031104 US/RF-A
 REISSUE APPLICATION FILED
 EFFECTIVE DATE: 20030707
UP - 2003-46

1 / 1 CRXX - @CLAIMS/RRX
AN - 3043614
PN - 5,811,318 A 19980922 [US5811318]
PA - Samsung Electronics Co Ltd KR
PT - C (Chemical)
ACT - 20000922 REISSUE REQUESTED
 ISSUE DATE OF O.G.: 20001107
 REISSUE REQUEST NUMBER: 09/667643
 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2813

Reissue Patent Number:

20030707 REISSUE REQUESTED
 ISSUE DATE OF O.G.: 20031104
 REISSUE REQUEST NUMBER: 10/613064
 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2813

Reissue Patent Number:

UP - 2000-45
UACT - 2003-11-04

Search statement 2

Query/Command : fam us5811318/pn

1 Patent Groups
** SS 2: Results 8

Search statement 3

Query/Command : famstate nonstop

1 / 8 PLUSPAT - ©QUESTEL-ORBIT
PN - DE69633378 D1 20041021 [DE69633378]
STG - (D1) Granted EP number in bulletin
OTI - (D1) Verfahren zur Herstellung einer
Flüssigkristallanzeigevorrichtung
PA - (D1) SAMSUNG ELECTRONICS CO LTD (KR)
IN - (D1) KWEON YOUNG-CHAN (KR)
IC - (D1) G02F-001/1345 G02F-001/136
PN2 - DE69633378 T2 20050922 [DE69633378]
STG2- (T2) Trans. Of EP patent
OTI2- (T2) Verfahren zur Herstellung einer
Flüssigkristallanzeigevorrichtung
PA2 - (T2) SAMSUNG ELECTRONICS CO LTD (KR)
IN2 - (T2) KWEON YOUNG-CHAN (KR)
IC2 - (T2) G02F-001/1345 G02F-001/136
AP - DE69633378 19961210 [1996DE-6033378]
PR - KR9562170 19951228 [1995KR-0062170]
KR9618516 19960529 [1996KR-0018516]
UP - 2004-43

1 / 1 LEGALI - ©EPO
PN - DE69633378 D1 20041021 [DE69633378] DE69633378 T2 20050922
[DE69633378]
AP - DE69633378 19961210 [1996DE-6033378]
ACTE- 20051027 DE/8364-A [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2005-43

2 / 8 PLUSPAT - ©QUESTEL-ORBIT
PN - EP0782040 A2 19970702 [EP-782040]
STG - (A2) Pub. Of applic. Without search report
TI - (A2) Method of manufacturing a liquid crystal display
OTI - (A2) Verfahren zur Herstellung einer
Flüssigkristallanzeigevorrichtung
 (A2) Procédé de fabrication d'un dispositif d'affichage à cristaux
 liquides
PA - (A2) SAMSUNG ELECTRONICS CO LTD (KR)
IN - (A2) KWEON YOUNG-CHAN (KR)
IC - (A2) G02F-001/1345 G02F-001/136
PN2 - EP0782040 A3 19980715 [EP-782040]
STG2- (A3) Publi. Of search report

TI2 - (A3) Method for manufacturing liquid crystal display
OTI2 - (A3) Verfahren zur Herstellung einer
 Flüssigkristallanzeigevorrichtung
 (A3) Procédé de fabrication d'un dispositif d'affichage à cristal
 liquide
PA2 - (A3) SAMSUNG ELECTRONICS CO LTD (KR)
IN2 - (A3) KWEON YOUNG-CHAN (KR)
IC2 - (A3) G02F-001/1345 G02F-001/136
PN3 - EP0782040 B1 20040915 [EP-782040]
STG3 - (B1) Patent
TI3 - (B1) Method of manufacturing a liquid crystal display
OTI3 - (B1) Verfahren zur Herstellung einer
 Flüssigkristallanzeigevorrichtung
 (B1) Procédé de fabrication d'un dispositif d'affichage à cristaux
 liquides
PA3 - (B1) SAMSUNG ELECTRONICS CO LTD (KR)
IN3 - (B1) KWEON YOUNG-CHAN (KR)
IC3 - (B1) G02F-001/1345 G02F-001/136
LA - ENGLISH (ENG)
AP - EP96308925 19961210 [1996EP-0308925]
PR - KR9562170 19951228 [1995KR-0062170]
 KR9618516 19960529 [1996KR-0018516]
EC - G02F-001/1345
 G02F-001/1362
 H01L-021/336D2C
 H01L-021/84
 H01L-027/12
 H01L-029/49B
ICO - S02F-001/1362
 S02F-001/1362P
DS - DE FR GB
DT - Basic

1 / 1 *LEGALI - @EPO*
PN - EP0782040 A2 19970702 [EP-782040]EP0782040 A3 19980715
 [EP-782040]EP0782040 B1 20040915 [EP-782040]
AP - EP96308925 19961210 [1996EP-0308925]
ACTE - 19970702 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB

 19980715 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB

 19990303 EP/17P-A [+]
 REQUEST FOR EXAMINATION FILED
 EFFECTIVE DATE: 19981222

 20021204 EP/17Q-A [+]
 FIRST EXAMINATION REPORT
 EFFECTIVE DATE: 20021021

 20040331 EP/RTI1-A
 TITLE (CORRECTION)
 METHOD OF MANUFACTURING A LIQUID CRYSTAL DISPLAY

 20040915 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB

20040915 EP/REG-A; GB/FG4D [+]
 GB: EUROPEAN PATENT GRANTED
 <GB>

20041021 EP/REF-A
 CORRESPONDS TO:
 (DE 69633378 20041021 [DE69633378])

20050729 EP/ET-A [+]
 FR: TRANSLATION FILED

20050907 EP/26N-A [+]
 NO OPPOSITION FILED
 EFFECTIVE DATE: 20050616

UP - 2005-36

3 / 8 PLUSPAT - ©QUESTEL-ORBIT - image
 PN - EP1380880 A1 20040114 [EP1380880]
 STG - (A1) Public. Of applic. With search report
 TI - (A1) Method for manufacturing liquid crystal display
 OTI - (A1) Verfahren zur Herstellung von
 Flüssigkristallanzeigevorrichtungen
 (A1) Procédé de fabrication d'un dispositif d'affichage à cristaux
 liquides
 PA - (A1) SAMSUNG ELECTRONICS CO LTD (KR)
 PA0 - SAMSUNG ELECTRONICS CO., LTD.; 416, Maetan-dong, Paldal-gu;
 Suwon-City, Kyungki-do (KR)
 IN - (A1) KWEON YOUNG-CHAN (KR)
 IC - (A1) G02F-001/1362
 LA - ENGLISH (ENG)
 AP - EP03010222 19961210 [2003EP-0010222]
 PR - EP96308925 19961210 [1996EP-0308925]
 KR9562170 19951228 [1995KR-0062170]
 KR9618516 19960529 [1996KR-0018516]
 EC - G02F-001/1362
 H01L-021/336D2C
 H01L-021/84
 H01L-027/12
 H01L-029/49B
 DS - DE FR GB
 DT - Basic
 UP - 2004-03

1 / 1 LEGALI - ©EPO
 PN - EP1380880 A1 20040114 [EP1380880]
 AP - EP03010222 19961210 [2003EP-0010222]
 ACTE - 20040114 EP/AC-A
 DIVISIONAL APPLICATION (ART. 76) OF:
 (EP 0782040)

20040114 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB

20040728 EP/17P-A [+]
 REQUEST FOR EXAMINATION FILED
 EFFECTIVE DATE: 20040526

20041006 EP/AKX-A [+]

PAYMENT OF DESIGNATION FEES
DE FR GB

20050323 EP/17Q-A
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20040930
UP - 2005-12

4 / 8 PLUSPAT - ©QUESTEL-ORBIT - image
PN - JP2004157555 A 20040603 [JP2004157555]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY AND THIN FILM
TRANSISTOR SUBSTRATE
PA - (A) SAMSUNG ELECTRONICS CO LTD
IN - (A) KWEON YEONG-CHAN
IC - (A) G02F-001/1343 G02F-001/1345 G02F-001/1368 H01L-021/28
H01L-021/3205 H01L-021/336 H01L-021/768 H01L-029/423 H01L-029/49
H01L-029/786
AP - JP2004000532 20040105 [2004JP-0000532]
PR - KR9562170 19951228 [1995KR-0062170]
KR9618516 19960529 [1996KR-0018516]
UP - 2004-34

5 / 8 PLUSPAT - ©QUESTEL-ORBIT - image
PN - JP9189924 A 19970722 [JP09189924]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) MANUFACTURE OF LIQUID CRYSTAL DISPLAY DEVICE
PA - (A) SAM SUNG ELECTRONIC
PAO - (A) SAMSUNG ELECTRON CO LTD
IN - (A) KEN NEISAN
INO - (A) KEN NEISAN
IC - (A) G02F-001/1333 G02F-001/1343 G02F-001/136 H01L-029/786
AP - JP31462096 19961126 [1996JP-0314620]
PR - KR9562170 19951228 [1995KR-0062170]
KR9618516 19960529 [1996KR-0018516]

6 / 8 PLUSPAT - ©QUESTEL-ORBIT
PN - KR190041 B1 19990601 [KR-190041]
STG - (B1) Examined pat. App. (2nd pub.) B5
TI - (B1) METHOD OF FABRICATING LIQUID CRYSTAL DISPLAY DEVICE
PA - (B1) SAMSUNG ELECTRONICS CO LTD (KR)
IN - (B1) KWEON YEONG-CHAN (KR)
IC - (B1) G02F-001/136
AP - KR9618516 19960529 [1996KR-0018516]
PR - KR9562170 19951228 [1995KR-0062170]
UP - 2000-13

7 / 8 PLUSPAT - ©QUESTEL-ORBIT
PN - TW387998 B 20000421 [TW-387998]
STG - (B) Patent
TI - (B) Method for manufacturing liquid crystal display
PA - (B) SAMSUNG ELECTRONICS CO LTD (KR)
IN - (B) KWEON YOUNG-CHAN (KR)
IC - (B) G02F-001/133
AP - TW85114772 19961129 [1996TW-0114772]

11/18/05

US 5,811,318

08/770796

PR - KR9562170 19951228 [1995KR-0062170]
KR9618516 19960529 [1996KR-0018516]
UP - 2001-06

1 / 1 *LEGALI - @EPO*
PN - TW387998 B 20000421 [TW-387998]
AP - TW85114772 19961129 [1996TW-0114772]
ACTE- 20000905 TW/GD4A-A [+]
ISSUE OF PATENT CERTIFICATE FOR GRANTED INVENTION PATENT
UP - 2004-26

8 / 8 *PLUSPAT - @QUESTEL-ORBIT - image*
PN - US5811318 A 19980922 [US5811318]
STG - (A) United States patent
TI - (A) Method for manufacturing a liquid crystal display
PA - (A) SAMSUNG ELECTRONICS CO LTD (KR)
PAO - Samsung Electronics Company, Ltd., Suwon [KR]
IN - (A) KWEON YOUNG-CHAN (KR)
IC - (A) H01L-021/84
AP - US77079696 19961220 [1996US-0770796]
PR - KR9562170 19951228 [1995KR-0062170]
KR9618516 19960529 [1996KR-0018516]
EC - G02F-001/1345
G02F-001/1362
H01L-021/336D2C
H01L-021/84
H01L-027/12
H01L-029/49B
ICO - S02F-001/1362
S02F-001/1362P
PCL - ORIGINAL (O) : 438030000; CROSS-REFERENCE (X) : 257E21414
257E21703 257E27111 257E29151 257059000 349152000 438158000
DT - Corresponding document

1 / 1 *LEGALI - @EPO*
PN - US5811318 A 19980922 [US5811318]
AP - US77079696 19961220 [1996US-0770796]
ACTE- 19970310 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST
OWNER: SAMSUNG ELECTRONICS CO., LTD. 416 MAETAN-DONG, PAL;
EFFECTIVE DATE: 19970214

19970310 US/AS02-A
ASSIGNMENT OF ASSIGNEE'S INTEREST
OWNER: KWEON, YOUNG-CHAN; EFFECTIVE DATE: 19970214

20001107 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20000922

20031104 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030707
UP - 2003-46

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Terms and Connectors Natural Language Easy Search

5811318 or 5,811,318

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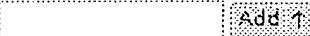
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[No Date Restrictions](#) 

[From](#) 

[To](#) 

[Date Formats...](#)

Search Connectors

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Syntax Definition

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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Syntax Definition

and	and
or	or
w/N	within N words
not w/N	not within N words
pre /N	precedes by N words
w/p	in same paragraph
not w/p	not in same paragraph
w/seg	in same segment
not w/seg	not in same segment
w/s	in same sentence
not w/s	not in same sentence
and not	and not

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<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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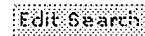
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